

## PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING  
OF A CHANGE(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

PRIVETT, Kathryn, Louise  
SmithKline Beecham  
Corporate Intellectual Property  
(CN9.25.1)  
980 Great West Road  
Brentford, Middlesex TW8 9GS  
ROYAUME-UNI

Date of mailing (day/month/year) 18 février 2002 (18.02.02)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference FB/B45197	
International application No. PCT/EP00/08728	International filing date (day/month/year) 06 septembre 2000 (06.09.00)

## 1. The following indications appeared on record concerning:

☐ the applicant ☐ the inventor ☒ the agent ☐ the common representative

## Name and Address

PRIVETT, Kathryn, Louise  
SmithKline Beecham  
Two New Horizons Court  
Brentford  
Middlesex TW8 9EP  
United Kingdom

## State of Nationality

## State of Residence

## Telephone No.

+44 20 8975 2585

## Facsimile No.

+44 181 975 6294

## Teleprinter No.

## 2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person ☐ the name ☒ the address ☐ the nationality ☐ the residence

## Name and Address

PRIVETT, Kathryn, Louise  
SmithKline Beecham  
Corporate Intellectual Property  
(CN9.25.1)  
980 Great West Road  
Brentford, Middlesex TW8 9GS  
United Kingdom

## State of Nationality

## State of Residence

## Telephone No.

+44 20 8047 5000

## Facsimile No.

+44 20 8047 6894

## Teleprinter No.

## 3. Further observations, if necessary:

**Please note that address of agent Chapter II has been changed as above too.**

## 4. A copy of this notification has been sent to:

☒ the receiving Office ☐ the designated Offices concerned  
☐ the International Searching Authority ☒ the elected Offices concerned  
☐ the International Preliminary Examining Authority ☐ other:

<p>The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No.: (41-22) 740.14.35</p>	<p>Authorized officer</p> <p>Alexandre BOUVIER</p> <p>Telephone No.: (41-22) 338.83.38</p>
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# PATENT COOPERATION TREATY

## PCT

REC'D 28 NOV 2001

WIPO PCT

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

14

Applicant's or agent's file reference FB/B45197	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP00/08728	International filing date (day/month/year) 06/09/2000	Priority date (day/month/year) 07/09/1999
International Patent Classification (IPC) or national classification and IPC A61K39/00		
Applicant SMITHKLINE BEECHAM BIOLOGICALS S.A. et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.



2. This REPORT consists of a total of 5 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 3 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☒ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 28/03/2001	Date of completion of this report 27.11.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Fax: +31 70 340 - 3016	Authorized officer Sitch, W Telephone No. +31 70 340 3040 

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/08728

## I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):  
**Description, pages:**

1-32 as originally filed

### Claims, No.:

1-18 as received on 01/11/2001 with letter of 22/10/2001

### Drawings, No.:

1/10-10/10 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/EP00/08728

☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1. Statement

Novelty (N)	Yes:	Claims	1-18
	No:	Claims	None
Inventive step (IS)	Yes:	Claims	1-18
	No:	Claims	None
Industrial applicability (IA)	Yes:	Claims	1-18
	No:	Claims	None

2. Citations and explanations  
**see separate sheet**

**VI. Certain documents cited**

1. Certain published documents (Rule 70.10)

and / or

2. Non-written disclosures (Rule 70.9)

**see separate sheet**

**VII. Certain defects in the international application**

The following defects in the form or contents of the international application have been noted:  
**see separate sheet**

**Re Item V**

**Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

The argumentation of the applicant put forward during these proceedings has been taken into account.

Claim 1 now disclaims the presence of an HSV antigen in the vaccine composition. The earlier patent application filing by the same applicant, published as WO9945957, and the subject matter of the present application clearly relate to different inventions, and the priority claimed in respect of the present application is considered valid. Accordingly, the earlier filing, WO9945957, is of no relevance to the present proceedings.

Reference is made to the following documents:

D1: Virology, 200, 1994, 547-557

D2: WO9517209

**1. Novelty (Art. 33(2) PCT).**

The claims of the application are novel in light of the available prior art.

**2. Inventive Step (Art. 33(3) PCT)**

Closest prior art for the assessment of inventive step, D1. This discloses chimaeric Hepatitis B core antigen particles, expressing HPV E7 epitopes. Induction of antibody immune response to the HPV B epitopes, and T cell immune response to HPV T epitope and HBV T epitopes was achieved upon delivery in mice. See page 547, abstract; page 547, para. 1 - page 548, para. 2; figure 1; page 556, para. 4, thereof. Difference between claim 1 and D1, incorporation of an adjuvant which is a preferential stimulator of TH1 cell response.

Problem to be solved: provision of HBV-HPV vaccine compositions whereby the immune response generated (for example the isotypic profile of the response) to each antigen in the composition is essentially the same as that obtained by each antigen given individually.

In addressing this problem, whilst it may be considered that the skilled person would be motivated to attempt to solve this problem by incorporating a known TH1 type adjuvant

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP00/08728

(as disclosed for example in D2, page 1, line 24 - page 5, line 16) in a vaccine of the type disclosed in D1, there would nevertheless appear no reason, either in light of the available prior art, or in light of his own technical knowledge, for the skilled person to reasonably expect that this problem may be successfully solved in this way. Accordingly, inventive step for claim 1, and thus claims 2- 18 also, may be acknowledged.

3. For the assessment of the present claims 1-18 on the question whether they are industrially applicable, no unified criteria exist in the PCT Contracting States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.

**Re Item VI**

**Certain documents cited**

Certain published documents (Rule 70.10)

Application No Patent No	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
WO0117551	15-3-2001	7-9-2000	7-9-1999

The above document may be considered prejudicial to the patentability of the subject matter of the present application during later proceedings.

**Re Item VII**

**Certain defects in the international application**

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the document D1 is not mentioned in the description, nor are these documents identified therein.

# PATENT COOPERATION TREATY

**RECEIVED**

11 MAY 2001

**PCT** NEW HORIZONS COURT

From the INTERNATIONAL SEARCHING AUTHORITY

To:

SMITHKLINE BEECHAM  
Attn. PRIVETT, Kathryn Louise  
Two New Horizons Court  
Brentford  
Middlesex TW8 9EP  
UNITED KINGDOM

NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL SEARCH REPORT  
OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing (day/month/year) 11/05/2001	
Applicant's or agent's file reference FB/B45197	<b>FOR FURTHER ACTION</b> See paragraphs 1 and 4 below
International application No. PCT/EP 00/08728	International filing date (day/month/year) 06/09/2000
Applicant SMITHKLINE BEECHAM BIOLOGICALS S.A. et al.	

1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

**Filing of amendments and statement under Article 19:**

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

**When?** The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

**Where?** Directly to the International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland  
Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ **With regard to the protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within **20 months** from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority

 European Patent Office, P.B. 5818 Patentlaan 2  
NL-2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Geertruida Groeneveld-Van der Spek

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

## **INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19**

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

### **What parts of the international application may be amended?**

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

### **When?**

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

### **Where not to file the amendments?**

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

### **How?**

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

### **What documents must/may accompany the amendments?**

**Letter (Section 205(b)):**

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.



The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

1. [Where originally there were 48 claims and after amendment of some claims there are 51]:  
"Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
2. [Where originally there were 15 claims and after amendment of all claims there are 11]:  
"Claims 1 to 15 replaced by amended claims 1 to 11."
3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:  
"Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or  
"Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
4. [Where various kinds of amendments are made]:  
"Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

**"Statement under article 19(1)" (Rule 46.4)**

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

**It must be in the language in which the international application is to be published.**

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

**Consequence if a demand for international preliminary examination has already been filed**

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

**Consequence with regard to translation of the international application for entry into the national phase**

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>FB/B45197</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/EP 00/ 08728</b>	International filing date (day/month/year) <b>06/09/2000</b>	(Earliest) Priority Date (day/month/year) <b>07/09/1999</b>
Applicant <b>SMITHKLINE BEECHAM BIOLOGICALS S.A. et al.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

## 4. With regard to the title,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

**VACCINE AGAINST HBV AND HPV**

## 5. With regard to the abstract,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

## 6. The figure of the drawings to be published with the abstract is Figure No.



as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.



Non of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/08728

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K39/295 A61P31/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EPO-Internal, WPI Data, PAJ, MEDLINE, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>TINDLE ROBERT W ET AL: "Chimeric hepatitis B core antigen particles containing B- and Th-epitopes of human papillomavirus type 16 E7 protein induce specific antibody and T-helper responses in immunised mice."</p> <p>VIROLOGY, vol. 200, no. 2, 1994, pages 547-557, XP002166056 ISSN: 0042-6822 page 547 abstract page 547, paragraph 1 -page 548, paragraph 2 figure 1 page 556, paragraph 4</p> <p style="text-align: center;">--- -/--</p>	1



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the international search

25 April 2001

Date of mailing of the international search report

11/05/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Sitch, W

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP 00/08728

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 95 17209 A (SMITHKLINE BEECHAM BIOLOG ;MOMIN PATRICIA MARIE (BE); GARCON NATHA) 29 June 1995 (1995-06-29) cited in the application page 1, line 24 -page 5, line 16 ---	
A	WO 95 17210 A (SMITHKLINE BEECHAM BIOLOG ;MOMIN PATRICIA MARIE (BE); GARCON NATHA) 29 June 1995 (1995-06-29) cited in the application page 1, line 24 -page 5, line 16 ---	
A	WO 94 21292 A (SMITHKLINE BEECHAM BIOLOG ;HAUSER PIERRE (BE); VOET PIERRE (BE); S) 29 September 1994 (1994-09-29) page 1, line 26 -page 7, line 2 page 19 -page 10; examples 7,8 ---	
A	WO 93 19780 A (SMITHKLINE BEECHAM BIOLOG ;GARCON JOHNSON NATHALIE MARIE (BE); HAU) 14 October 1993 (1993-10-14) page 3, line 19 -page 6, line 22 ---	
A	WO 92 11291 A (SMITHKLINE BEECHAM BIOLOG) 9 July 1992 (1992-07-09) page 2, line 19 -page 3, line 31 page 13, line 16 - line 27 ---	
P,X	WO 99 45957 A (SMITHKLINE BEECHAM BIOLOG ;STEPHENNE JEAN (BE); WETTENDORFF MARTIN) 16 September 1999 (1999-09-16) page 3, line 12 -page 15, line 31 ---	1-20
E	WO 01 17551 A (SMITHKLINE BEECHAM BIOLOG ;WETTENDORFF MARTINE ANNE CECIL (BE)) 15 March 2001 (2001-03-15) page 4, line 4 -page 16, line 28 -----	1-20

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP 00/08728

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9517209	A	29-06-1995	AT 177322 T	15-03-1999
			AU 1316495 A	10-07-1995
			AU 687494 B	26-02-1998
			AU 1316695 A	10-07-1995
			AU 705521 B	27-05-1999
			AU 6803198 A	09-07-1998
			AU 705519 B	27-05-1999
			AU 6803298 A	09-07-1998
			CA 2179779 A	29-06-1995
			CN 1138298 A	18-12-1996
			DE 69417063 D	15-04-1999
			DE 69417063 T	28-10-1999
			DK 735898 T	23-08-1999
			WO 9517210 A	29-06-1995
			EP 0735898 A	09-10-1996
			EP 0868918 A	07-10-1998
			ES 2129801 T	16-06-1999
			GR 3029750 T	30-06-1999
			HK 1012243 A	12-05-2000
			JP 9506887 T	08-07-1997
			NZ 277802 A	27-04-1998
			SG 49257 A	18-05-1998
			SG 73578 A	20-06-2000
			SI 735898 T	30-06-1999
			US 6146632 A	14-11-2000
			ZA 9410176 A	17-11-1995
WO 9517210	A	29-06-1995	AT 177322 T	15-03-1999
			AU 1316495 A	10-07-1995
			AU 687494 B	26-02-1998
			AU 1316695 A	10-07-1995
			AU 705521 B	27-05-1999
			AU 6803198 A	09-07-1998
			AU 705519 B	27-05-1999
			AU 6803298 A	09-07-1998
			CA 2179779 A	29-06-1995
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